

SECTION 6

6.17 MAGNETIC DRIVE DISPLACEMENT METERS:

The displacement meters, known as nutating-disc or oscillating piston meters, are positive in action in that the pistons and discs displace or carry over a fixed quantity of water for each nutation or oscillation when operated under positive pressure. The magnetic drive displacement type water meter shall be either frost-proof case or split case.

Where there is a possibility of freezing, a frost-proof case or housing shall be used. The upper housing for cold climates includes all but the bottom plate. This is bolted on, so that, should the contents freeze, the bottom plate, or washers or bolts holding it on will break before the meter as a whole is damaged. The bottom or the bolts can be replaced readily.

Meter sizes 5/8 inch through one inch to be installed in outside pits or vaults shall conform to MS-14.

For indoor meters, the bottom part includes the pipe connections and part of the side of the meter housing and is known as a split case.

Meter sizes 5/8 inch through one inch to be installed inside a building and all 1-1/2 inch and 2 inch displacement type meters shall conform to MS-15. Meter sizes 1-1/2 inch and larger shall be brass, 2 hole, oval flange construction and shall not be slotted. Companion flanges shall be brass.